

anti-human CD116 purified**Cat-No.: H12464 0.1 mg****Clone:** 4H1**Specificity:**

CD116 belongs to the Ig superfamily, type 1 transmembrane glycoprotein, and is a 70-85 kD a chain of the GM-CSF receptor. It is distributed to monocytes, granulocytes, dendritic cells and endothelial precursors and is functional for myeloid hematopoietic cell proliferation and differentiation. It combines with CDw131 β chain to form the high affinity GM-CSF receptor. A soluble form of CD116, which binds GM-CSF with a relatively low affinity, has been identified. In addition, an alternatively spliced form of CD116 with an altered cytoplasmic tail has been described. CD116 is expressed on various myeloid cells including monocytes, macrophages, neutrophils, eosinophils, dendritic cells and their precursors, fibroblasts, and endothelial cells. CD116 is expressed on myeloid leukemias, osteogenic sarcoma cell lines, osteoblast-like cells and breast and lung carcinoma cell lines.

Isotype subclass: Mouse IgG1,k**Form:**

The antibody was purified by affinity chromatography.

Purity: > 95% (by SDS-PAGE)**Physical state:** Liquid**Buffer/Additives/Preservative:**

PBS containing 0.09% sodium azide, pH 7.4

Expiration date: The reagent is stable until the expiry date stated on the vial label**Storage conditions:** Store at 4 °C. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.**References:** 1. Miyajima,A., et al., 1993. Blood 82:1960**Warning:**

Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

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